<220>

<220>

<220>

subunit of integrin

<400> 1 Asp Thr Gly Glu Asn Pro Ile Tyr Lys Ser Ala Va $iggl\downarrow$ Thr Thr Val Val 15 10

Asn Pro Lys Tyr Glu Gly Lys 20

<210> 2

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Beta 2

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subunit of integrin
<220>
<221> MOD_RES
<222> (5)
<223> PHOSPHORYLATION
Asp Leu Arg Gla Tyr Arg Arg Phe Glu Lys Glu Lys Leu Ser Gln Trp
 1
Asn Asn Asp Asn Pro Leu Phe Lys Ser Ala Thr
             20
<210> 3
<211> 23
<212> PRT
<213> Artificial Sequençe
<223> Description of Artificial Sequence: Beta 3
      subunit of integrin
<220>
<221> MOD_RES
<222> (8)
<223> PHOSPHORYLATION
<220>
<221> MOD_RES
<222> (20)
<223> PHOSPHORYLATION
<400> 3
Asp Thr Ala Asn Asn Pro Leu Tyr Lys Glu Ala Thr Ser Thr Phe Thr
                                      10
 Asn Ile Thr Tyr Arg Gly Thr
 <210> 4
 <211> 33
 <212> PRT
 <213> Artificial Sequence
 <223> Description of Artificial Sequence: Beta 5
       subunit of intgerin
 <220>
 <221> MOD_RES
 <222> (8)
 <223> PHOSPHORYLATION
 <220>
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<2/21> MOD RES
<2\dot{2}2> (28)
<223> PHOSPHORYLATION
<400>
Glu Met Ala Ser Asn Pro Leu Tyr Arg Lys Pro Ile Ser Thr His Thr
Val Asp Phe Thr Phe Asn Lys Phe Asn Lys Ser Tyr Asn Gly Thr Val
                                  25
Asp
<210> 5
<211> 34
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of\Artificial Sequence: Beta 6
      subunit of integrin
<220>
<221> MOD_RES
<222> (8)
<223> PHOSPHORYLATION
<220>
<221> MOD_RES
<222> (20)
<223> PHOSPHORYLATION
<400> 5
Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr Phe Lys
Asn Val Thr Tyr Lys His Arg Glu Lys G^{
m h}_{
m T} Lys Val Asp Leu Ser Thr
Asp Cys
<210> 6
<211> 23
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Beta 6
       subunit of integrin
<220>
<221> MOD_RES
<222> (8)
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<223 PHOSPHORYLATION
<220>
<221> \MOD_RES
<222> \((20))
<223> PHOSPHORYLATION
<400> 6
Gln Thr Gty Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr Phe Lys
  1
Asn Val Thr Tyr Lys His Arg
<210> 7
<211> 29
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Beta 7
      subunit of integrin
<220>
<221> MOD_RES
<222> (5)
<223> PHOSPHORYLATION
<220>
<221> MOD RES
<222> (25)
<223> PHOSPHORYLATION
<400> 7
Asp Arg Arg Glu Tyr Ser Arg Phe Glu Lys Glu Gln Gln Leu Asn
Trp Lys Gln Asp Ser Asn Pro Leu Tyr Ly& Ser Ala Ile
              20
 <210> 8
 <211> 4
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: ITAM
       signaling motif in integrin
 <220>
 <221> misc_feature
 <222> (2)..(4)
 <223> Xaa at positions 2 and 3 can be any amino acid; Xaa at
       position 4 is Leu or Ile.
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₹400> 8
Tyx Xaa Xaa Xaa
<210>
<211> 1/6
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Immune
     receptor activation motif
<220>
<221> misc_feature
\langle 222 \rangle (2)..(16)
<223> Xaa at positions 4 and 16 is Leu or Ile; Xaa at
      positions \frac{1}{2}, 3, 5-12, 14 and 15 can be any amino
      acid.
<400> 9
<210> 10
<211> 23
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Control
      peptide for signal protein binding studies
<400> 10
Asp Thr Ala Asn Asn Pro Leu Tyr Lys Glu Ala Thr Ser Thr Phe Thr
                  5
  1
Asn Ile Thr Tyr Arg Gly Thr
             20
<210> 11
 <211> 23
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Control
      peptide for signal protein binding studies
 <400> 11
 Asp Thr Gly Glu Asn Pro Ile Tyr Lys Ser Ala Val Thr Thr Wal Val
                  5
   1
 Asn Pro Lys Tyr Glu Gly Lys
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<210> 12
<211> 33
<212 > PRT
<213>\Artificial Sequence
<220>
<223> Description of Artificial Sequence: Control
     peptide for signal protein binding studies
<400> 12
Glu Met Ala\Ser Asn Pro Leu Tyr Arg Lys Pro Ile Ser Thr His Thr
Val Asp Phe That Phe Asn Lys Phe Asn Lys Ser Tyr Asn Gly Thr Val
Asp
<210> 13
<211> 34
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Control
      peptide for signal protein binding studies
<400> 13
Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr Phe Lys
Asn Val Thr Tyr Lys His Arg Glu Lya Gln Lys Val Asp Leu Ser Thr
             20
Asp Cys
<210> 14
<211> 27
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Control
      peptide for signal protein binding studies
 <400> 14
Asp Leu Arg Glu Tyr Arg Arg Phe Glu Lys Glu Lys Leu Sex Gln Trp
 Asn Asn Asp Asn Pro Leu Phe Lys Ser Ala Thr
```

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<210> 15
<211> 29
<212> PRT
<213> Artific al Sequence
<220>
<223> Description of Artificial Sequence: Control
     peptide for signal protein binding studies
Asp Arg Arg Glu Tyx Ser Arg Phe Glu Lys Glu Gln Gln Leu Asn
Trp Lys Gln Asp Ser A n Pro Leu Tyr Lys Ser Ala Ile
<210> 16
<211> 47
<212> PRT
<213> Homo sapiens
<220>
<223> GPIIIa Beta 3 subunit
<400> 16
Lys Leu Leu Thr Thr His Asp Akg Lys Glu Phe Ala Lys Phe Glu
Glu Glu Arg Ala Arg Ala Lys Trp Asp thr Ala Asn Asn Pro Leu Tyr
                                  25
Lys Glu Ala Thr Ser Thr Phe Thr Asn Ile Thr Tyr Arg Gly Thr
                              40
 <210> 17
 <211> 58
 <212> PRT
 <213> Homo sapiens
 <220>
 <223> GPIIIa Beta 6 subunit
 <400> 17
 Lys Leu Leu Val Ser Phe His Asp Arg Lys Glu Val Ala Ays Phe Glu
 Ala Glu Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr
              20
 Arg Gly Ser Thr Ser Thr Phe Lys Asn Val Thr Tyr Lys His Arg Glu
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Lys \mathrm{Gl}_{n} Lys Val Asp Leu Ser Thr Asp Cys
<210> 18
<211> 47
<212> PRT
<213> Homo sapiens
<223> GPIIIa Beta 1 subunit
<400> 18
Lys Leu Leu Met Let Ile His Asp Arg Glu Glu Ala Lys Glu Glu
Lys Glu Lys Met Asn A\( a Lys Trp Asp Thr Gly Glu Asn Pro Ile Tyr
                                  25
Lys Ser Ala Val Thr Thr Val Val Asn Pro Lys Tyr Glu Gly Lys
                              40
<210> 19
<211> 57
<212> PRT
<213> Homo sapiens
<220>
<223> GPIIIa Beta 5 subunit
 <400> 19
Lys Leu Leu Val Thr Ile His Asp Arg Arg Glu Phe Ala Lys Phe Gln
                   5
Ser Glu Arg Ser Arg Ala Arg Tyr Glu Met Ala Ser Asn Pro Leu Tyr
                                  25
Arg Lys Pro Ile Ser Thr His Thr Val Asp Phe Thr Phe Asn Lys Phe
                                                   45
          35
 Asn Lys Ser Tyr Asn Gly Thr Val Asp
      50
 <210> 20
 <211> 46
 <212> PRT
 <213> Homo sapiens
 <223> GPIIIa Beta 2 subunit
 Lys Ala Leu Thr His Leu Ser Asp Leu Arg Glu Tyr Arg Arg Phe Glu
                                       10
   1
```

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Lys Glu Lys Leu Lys Ser Gln Trp Asn Asn Asp Asn Pro Leu Phe Lys
Ser Ala Thr Thr Thr Val Met Asn Pro Lys Phe Ala Glu Ser
         35
<210> 21
<211> 52
<212> PRT
<213> Homo sapiens
<220>
<223> GPIIIa Beta 7 subunit
<400> 21
Arg Leu Ser Val Glu Ile Tyr Asp Arg Arg Glu Tyr Ser Arg Phe Glu
                                     10
                  5
Lys Glu Gln Gln Leu Asn Trp Lys Gln Asp Ser Asn Pro Leu Tyr
                                 25
Lys Ser Ala Ile Thr Thr Thr lle Asn Pro Arg Phe Gln Glu Ala Asp
Ser Pro Thr Leu
     50
<210> 22
<211> 52
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Consensus
      sequence for human GPIIIa Beta subunits
<220>
<221> misc feature
<222> (5)...(51)
<223> Xaa at positions 5, 17, 19, 20, 21, 23, 25-28, 34,
      36, 37, 39-48, 50, 51 can be any amino a qid.
<400> 22
Lys Leu Leu Val Xaa Ile His Asp Arg Glu Phe Ala Lys Phe Glu
Xaa Glu Xaa Xaa Xaa Ala Xaa Trp Xaa Xaa Xaa Asn \Pro Leu Tyr
Lys Xaa Ala Xaa Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
                             40
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Asn Xaa Xaa Tyr 50

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<211>\23
<212> RT
<213> Atificial Sequence
<220>
<223> Description of Artificial Sequence: Proline-
      substituted form of Beta 3 subunit of integrin
<220>
<221> MOD_RES
<222> (8)
<223> PHOSPHORYLATION
<220>
<221> MOD RES
<222> (20)
<223> PHOSPHORYLATION
<400> 23
Asp Thr Ala Asn Asn Pro Leu Tyr Lys Glu Ala Thr Pro Thr Phe Thr
                                      10
Asn Ile Thr Tyr Arg Gly Thr
             20
<210> 24
<211> 23
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:
      Monophosphorylated form of Betà 3 subunit of
      integrin
<220>
<221> MOD_RES
<222> (20)
<223> PHOSPHORYLATION
<400> 24
Asp Thr Ala Asn Asn Pro Leu Tyr Lys Glu Ala Thr Ser Thr Phe Thr
Asn Ile Thr Tyr Arg Gly Thr
             20
<210> 25
<211> 23
<212> PRT
<213> Artificial Sequence
<220>
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<223> Description of Artificial Sequence:
      Monophosphorylated form of Beta 3 subunit of
      integrin
<220>
<221> MOD_RES
<222> (8)
<223> PHOSPHORYLATION
<400> 25
Asp Thr Ala Asn Asn Pro Leu Tyr Lys Glu Ala Thr Ser Thr Phe Thr
                                      10
Asn Ile Thr Tyr Arg Gl Thr
             20
<210> 26
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial\Sequence: Motif for
      phosphotyrosine-binding domain
<400> 26
Asn Pro Leu Tyr
  1
<210> 27
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Consensus
      sequence for phosphotyrosine-binding domain
<220>
<221> misc_feature
<222> (3)...(3)
<223> Xaa can be any amino acid
<400> 27
Asn Pro Xaa Tyr
```